



# Dheeraj Thalour

Bachelor of Technology  
in Civil Engineering  
Indian Institute Of Technology, Ropar

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GitHub | Website  
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## EDUCATION

Degree	Institute/Board	CGPA/Percentage	Year
Bachelor of Technology	Indian Institute of Technology, Ropar	6.78 (Till 5th Sem)	2022-2026
Senior Secondary	Central Board of Secondary Education	77.2%	2021
Secondary	Central Board of Secondary Education	83.6%	2019

## PROJECTS

- **Google Play Store Analysis** sep 2024 - dec 2024  
*Python, Pandas, NumPy, Matplotlib, Seaborn, PowerBI* **GitHub**
  - Analyzed a dataset of 16,353 customer service records from the Google Play Store, leveraging Python libraries to uncover trends in resolution times, communication channels, and request priorities, improving operational insights.
  - Enhanced data quality by removing outliers, leading to a 17% accuracy of performance metrics for categories like "Support" and "Reimbursement Claims."
- **Phishing Domain Detection** dec 2024 - jan 2025  
*Python, Pandas, Scikit Learn, Flask, HTML/CSS, AWS EC2 Deployment* **GitHub**
  - Developed a phishing domain detection system using Python, Pandas, and Scikit-learn, achieving a model accuracy of 97.05%.
  - Evaluated 14 machine learning algorithms for phishing detection, demonstrating superior performance of Random Forest with a recall of 96.01%.
  - Optimized features to enhance prediction accuracy and reduce computational time to 1.18 seconds.
- **RFID with Arduino** Jul 2023 - Dec 2023  
*Tinkering lab* **GitHub**
  - RFID System Integration: Experienced in integrating RFID technology with Arduino microcontrollers to create secure and efficient identification and access control systems.
  - Programming and Troubleshooting: Proficient in programming Arduino to interface with RFID readers, and skilled in troubleshooting hardware and software issues to ensure reliable system performance.

## TECHNICAL SKILLS

- **Programming Languages:** C/C++, Python, SQL, Data Structure and Algorithms in C, HTML, CSS
- **Tools & Software:** VS Code, Tinkercad, Arduino, AutoCAD, Power Bi, Pandas, Matlab, Jupyter, Seaborn, Numpy, Scikit Learn, MS Word, MS Excel, MS Power Point

## KEY COURSES TAKEN

- **CSE, Electronics & Maths:** Introducing to & Data Structures, Calculus, Probability and Statistics, Differential Equation, Linear Algebra, Introduction to electrical engineering, Basic of electronics, Economics
- **Core Courses:** Engineering Drawing, Soil Mechanics, Material Science, Strength of Materials, Fluid Mechanics, Open Channel Flow, Structural Analysis, Geomatics
- **Data Science & AI Bootcamp:** Running Certified Course on CODE BASICS

## POSITIONS OF RESPONSIBILITY

- **Member,** ShARE-Growing Next Generation Leaders, IIT Ropar Chapter Certificate

## MISCELLANEOUS

- **InterDistrict Volleyball Championship,** Winner in InterDistrict Volleyball Championship 2018
- **JEE,** Ranked among top 1% in JEE Advance and 3% in JEE mains 2022